



# 2001 Toxics Release Inventory

## MINNESOTA

### Reported Releases and Other Waste Management Activities (in pounds)

	Total
On-site Releases	25,520,439
Air Emissions	14,252,131
Surface Water Discharges	1,571,683
Underground Injection Class I Wells	0
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	250
Other On-site Land Releases	9,696,375
Off-site Releases (Transfers Off-site to Disposal)*	7,874,871
<b>Total On- and Off-site Releases</b>	<b>33,395,310</b>
Recycled On-site	177,218,187
Recycled Off-site	20,369,261
Energy Recovery On-site	1,725,850
Energy Recovery Off-site	1,742,186
Treated On-site	70,831,646
Treated Off-site**	16,683,765
Quantity Released On- and Off-site***	32,817,974
<b>Total Production-related Waste Managed</b>	<b>321,388,869</b>
<b>Non-production-related Waste Managed</b>	<b>688,794</b>
<b>Transfers Off-site for Further Waste Management, including Disposal</b>	
Recycling	20,348,878
Energy Recovery	1,737,752
Treatment	2,445,488
Publicly Owned Treatment Works (POTWs)	14,440,166
Metals and Metal Category Compounds*	155,214
Non-metal TRI Chemicals**	14,284,952
Other Off-site Transfers****	0
Transfers Off-site to Disposal (not including metals to POTWs)	7,857,102
<b>Total Transfers Off-site for Further Waste Management, including Disposal</b>	<b>46,829,386</b>

\* Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

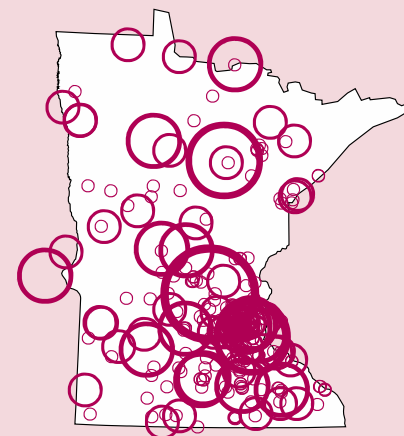
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To obtain TRI data use  
assistance, call TRI User  
Support Service (TRI-US):  
(202) 566-0250  
tri.us@epa.gov



The largest circle in the state map represents the largest facility for on-site releases in the state of Minnesota. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

#### State/TRI Data

Population	4,984,535
Square Miles	79,617
Total Facilities	505
Total Forms	1,596
Form As	291

	Total
<b>National Rank for Total On- and Off-site Releases*</b>	
Rank	35
Pounds	33,395,310
<b>National Rank for Total On-site Releases**</b>	
Rank	34
Pounds	25,520,439
<b>National Rank for Total Releases within State***</b>	
Rank	36
Pounds	28,360,456
<b>National Rank for Production-related Waste Managed</b>	
Rank	28
Pounds	321,388,869

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 2001 Toxics Release Inventory

## MINNESOTA

### On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Barium compounds	71,794	15,179	0	6,991,589	1,265,325	8,343,887	0	1,088,920	176,405
—	Copper compounds	9,598	882	0	281,020	2,129,265	2,420,765	10,983	93,635	2,035,630
7664-41-7	Ammonia	1,790,288	43,283	0	36,315	3,315	1,873,201	500	3,315	0
—	Zinc compounds	55,945	4,626	0	436,020	1,346,393	1,842,984	17,751	130,081	1,216,312
67-56-1	Methanol	1,607,501	103	0	0	4,434	1,612,038	0	4,434	0

### On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Lead compounds	12,131.27	806.08	0.00	183,029.06	285,061.27	481,027.68	3,091.57	29,072.67	255,988.60
7439-92-1	Lead	6,663.57	0.10	0.00	8.00	194,945.60	201,617.26	602.33	191,132.40	3,813.20
—	Polycyclic aromatic compounds	4,162.95	0.00	0.00	52.00	837.64	5,052.59	0.00	414.31	423.33
—	Mercury compounds	1,775.03	1.64	0.00	962.96	378.16	3,117.78	0.00	97.43	280.72
1336-36-3	Polychlorinated biphenyls (PCBs)	0.00	0.00	0.00	0.00	1,295.21	1,295.21	0.00	0.21	1,295.00
191-24-2	Benzo(g,h,i)perylene	85.93	0.00	0.00	0.65	107.59	194.18	0.00	18.46	89.14
7439-97-6	Mercury	60.29	0.00	0.00	0.00	13.75	74.04	0.00	8.60	5.15
—	Dioxin and dioxin-like compounds	0.02	0.00	0.00	2.02	0.04	2.08	0.00	0.00	0.04
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>9.143</i>	<i>0.000</i>	<i>0.000</i>	<i>916.134</i>	<i>17.299</i>	<i>942.576</i>	<i>0.000</i>	<i>0.625</i>	<i>16.674</i>
118-74-1	Hexachlorobenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79-94-7	Tetrabromobisphenol A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\*\* No reports were submitted for these chemicals.

\*\* The chemical ranking is based on the amounts in this column.



# 2001 Toxics Release Inventory

## MINNESOTA

### On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
Northern States Power Co., Becker, Sherburne	88,981	210	0	0	0	7,220,293	7,309,485	334	0
Boswell Energy Center, Cohasset, Itasca	132,383	11,131	0	0	0	1,853,718	1,997,232	76	25
Koch Petroleum Group L.P., Inver Grove Heights, Dakota	352,658	768,019	0	0	0	57	1,120,735	2,436	3,151
3M Cottage Grove Center, Cottage Grove, Washington	300,093	509,326	0	0	0	0	809,419	524	130,353
Electrolux Home Prods. Freezers, Saint Cloud, Stearns	618,015	0	0	0	0	0	618,015	21,000	0
Potlatch Corp. MN P & P Div., Cloquet, Carlton	397,079	0	0	0	0	163,004	560,083	38,724	0
Ford Motor Co. Twin Cities Assembly Plant, Saint Paul, Ramsey	524,235	0	0	0	0	0	524,235	1,500	16,040
Boise Cascade Corp., International Falls, Koochiching	486,256	20,720	0	0	0	0	506,976	19,794	0
Central Bi-Products, Long Prairie, Todd	434,750	0	0	0	0	250	435,000	0	0
Cenex Harvest States Oilseed Processing & Refining, Mankato, Blue Earth	434,000	250	0	0	250	0	434,500	0	0

### On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Northern States Power Co., Becker, Sherburne	1,969.30	0.00	0.00	0.00	0.00	171,753.22	173,722.52	0.20	0.10
Boswell Energy Center, Cohasset, Itasca	1,083.20	11.00	0.00	0.00	0.00	6,688.00	7,782.20	1.00	0.00
Watlow Winona Inc., Winona, Winona	3,319.00	0.00	0.00	0.00	0.00	0.00	3,319.00	0.00	8.13
Potlatch Corp. MN P & P Div., Cloquet, Carlton	128.00	0.00	0.00	0.00	0.00	3,067.00	3,195.00	0.00	136.00
Gopher Resource Corp., Eagan, Dakota	2,969.00	0.00	0.00	0.00	0.00	0.00	2,969.00	186,000.00	46.00
AG Processing Inc. A Cooperative, Dawson, Lac Qui Parle	2,426.00	0.00	0.00	0.00	0.00	0.00	2,426.00	0.00	0.00
Northland Aluminum Prods. Inc., Minneapolis, Hennepin	2,176.00	0.00	0.00	0.00	0.00	0.00	2,176.00	906.00	3,172.00
Koch Petroleum Group L.P., Inver Grove Heights, Dakota	1,006.33	4.21	0.00	0.00	0.00	0.00	1,010.54	311.06	2,001.30
Potlatch Corp., Brainerd, Crow Wing	181.12	6.50	0.00	0.00	0.00	763.48	951.10	0.00	0.00
American Crystal Sugar Co., East Grand Forks, Polk	831.55	0.00	0.00	0.00	0.00	0.00	831.55	0.00	0.00

\* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 2001 Toxics Release Inventory

## MINNESOTA

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Northern States Power Co., Becker, Sherburne	0	0	0	0	620,640	0	7,278,163	7,898,803	0
North Star Recycling, Saint Paul, Ramsey	240,000	81	0	0	0	0	2,743,386	2,983,467	588,225
Boswell Energy Center, Cohasset, Itasca	0	0	0	0	125,000	0	1,975,773	2,100,773	0
U.S. Filter Recovery Services Inc., Roseville, Ramsey	2,459,014	46,372	0	0	60,000	13,435	1,324,451	3,903,272	0
Koch Petroleum Group L.P., Inver Grove Heights, Dakota	295,743	58,498	0	628	22,406,023	574	1,123,041	23,884,507	2,400
Xcelenergy A.S. King Generating Plant, Bayport, Washington	0	0	0	0	123,000	0	1,083,536	1,206,536	0
3M Cottage Grove Center, Cottage Grove, Washington	0	1,022,923	79,294	46,822	11,728,417	138,092	940,296	13,955,844	0
Electrolux Home Prods. Freezers, Saint Cloud, Stearns	0	30,000	0	0	0	0	639,015	669,015	0
Potlatch Corp. MN P & P Div., Cloquet, Carlton	0	0	500,875	0	6,283,588	8,196,360	598,741	15,579,564	1
Ford Motor Co. Twin Cities Assembly Plant, Saint Paul, Ramsey	0	561,145	0	106	319,159	27,300	546,049	1,453,759	0

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production-related Waste Managed Pounds	Total Non-Production-related Waste Managed Pounds
Gopher Resource Corp., Eagan, Dakota	145,000,000.00	0.00	0.00	0.00	0.00	0.00	190,000.00	145,190,000.00	5,300.00
Northern States Power Co., Becker, Sherburne	0.00	0.00	0.00	0.00	0.00	0.00	173,618.00	173,618.00	0.00
North Star Recycling, Saint Paul, Ramsey	80,000.00	81.00	0.00	0.00	0.00	0.00	125,210.00	205,291.00	26,878.00
Federal Cartridge Co., Anoka, Anoka	0.00	703.00	0.00	0.00	0.00	0.00	73,776.00	74,479.00	2,335.00
U.S. Filter Recovery Services Inc., Roseville, Ramsey	0.00	740.00	0.00	0.00	0.00	0.00	21,141.00	21,881.00	0.00
Boswell Energy Center, Cohasset, Itasca	0.00	0.00	0.00	0.00	0.00	0.00	7,773.00	7,773.00	0.00
Xcelenergy A.S. King Generating Plant, Bayport, Washington	0.00	0.00	0.00	0.00	0.00	0.00	7,536.00	7,536.00	0.00
Northland Aluminum Prods. Inc., Minneapolis, Hennepin	0.00	0.00	0.00	0.00	0.00	0.00	6,254.00	6,254.00	0.00
Marathon Ashland Petroleum L.L.C. Saint Paul Park Refy., Saint Paul Park, Washington	5,456.00	12.00	0.00	1,010.00	0.00	3.00	5,939.00	12,420.00	0.00
Spectro Alloys Corp., Rosemount, Dakota	0.00	0.00	0.00	0.00	0.00	0.00	3,932.00	3,932.00	0.00

\* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.